

MR NELSON MAFAPE TSHWARELO MADILENG

Full-Stack Developer | Software Engineer

✉ nelsonmadileng57@gmail.com ☎ 0764694671 ⬇ South Africa 🔗 portfolio 🏴 African

🚹 Male 🐾 GitHub 💬 LinkedIn

PROFILE

Full-stack developer with proven experience in designing and building scalable, responsive applications using **Java, JavaScript, React, Node.js, Python, SQL, PostgreSQL, HTML5, and CSS3**. Skilled in writing clean, maintainable code, crafting intuitive UI/UX, and designing robust APIs. Adept at translating complex requirements into functional, user-focused solutions. Passionate about rapid prototyping, collaborative teamwork, and delivering high-quality digital products that drive measurable impact.

EDUCATION

Tshwane University of Technology 01/2022 – Present
Diploma in computer science emalahleni ,
SouthAfrica

Kgoshi moroangoato Secoundary School 01/2021 – 12/2021
Matric polokwane, SouthAfric
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PROFESSIONAL EXPERIENCE

CodeTribe Academy / mLab 06/2025 – Present
Full-Stack Developer Trainee Polokwane , South
Africa

- Built full-stack systems using React, Node.js, Express, PostgreSql.
- Created responsive UI with HTML, CSS, JavaScript.
- Implemented REST APIs.
- Worked in Agile teams with Git/GitHub.
- Improved UI/UX across applications.

Limpopo varsity Hackathon (LVH)-Hacker (2nd Place) 10/2025 – 10/2025
Hacker Polokwane, South
Africa

- Developed a pesticide control software that uses camera input and image recognition to detect plant diseases and suggest possible treatments.
- Leveraged **TensorFlow** for machine learning, **React + Redux** for the front-end, and **Firebase** for real-time data handling.
- Secured **2nd position** in the hackathon for innovation and practical impact.

NEC XON 12/2022 – 12/2022
Technical Support Specialist Midrand , south Africa

- Supported POS systems & retail hardware.

- Led installation and deployment projects.
- Diagnosed and resolved technical issues.

Telkom 10x hackathon

09/2025 – 09/2025

Developed **MediClinic**, a centralized database system designed to prevent patients from receiving multiple similar medications from different clinics, reducing duplication and improving patient safety.

Polokwane,SouthAfric

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Tshwane varsity Hackathon (TVH)

11/2022 – 2022

hacker

Tshwane,South Africa

Developed an early disease detection system using patients' medical records and consultation data from app users.

SKILLS

- JavaScript
- React
- Firebase
- postgreSql
- GitHub
- Java
- TypeScript
- Express
- Sql
- Git
- Agile/SCRUM, UI/UX
- Html
- Python
- Next.js
- Pl/Sql
- MySQL
- c++
- css

CERTIFICATES

- AI Certificate
- LVH Certificate
- Introduction to Cybersecurity Course
- Class Representative

REFERENCES

Mahlatse Serathi, *Trainee/Software Developmet*, Mlab/codeTribe
067 648 2868

Joel Phatlane, *Technical Support Speacialist*, NEC XON
078 389 3087

Nico Botha, *Technical Support Speacialist*, NEC XON
072 255 3393